

ABSTRACT

A suction ring providing an inferior engaging surface and a superior engaging surface that engages and grips the ocular globe, immobilizing the ocular globe relative to a corneal surgical procedure. The inferior engaging surface grips the sclera of the ocular globe while the superior engaging surface grips the corneal region. The suction ring also provides an aperture sized to receive and expose the cornea for a surgical procedure.

The suction ring has a non-circular gripping structure to provide a closer fit to abnormally shaped ocular globes and corneas. The aperture is non-circular to enable the surgeon to obtain a non-circular corneal disk during a lamellar keratotomy procedure.